Package 'vkR'

May 8, 2026

Type Package

Title Access to VK API via R

Description Provides an interface to the VK API <https://vk.com/dev/methods>. VK <https://vk.com/> is the largest European online social networking service, based in Russia.

Version 0.2

Date 2020-09-25

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URL https://github.com/Dementiy/vkR

BugReports https://github.com/Dementiy/vkR/issues

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Encoding UTF-8

Depends R (>= 3.0.0)

Imports graphics, httr, purrr, jsonlite, stats, utils, XML

Suggests stringr, tm, plyr, dplyr, reshape2, jpeg, igraph, rgexf, httpuv, mongolite

RoxygenNote 7.1.1

Collate 'auth.R' 'board.R' 'database.R' 'friends.R' 'groups.R' 'igraph_gefx_exporter.R' 'likes.R' 'messages.R' 'mongo_connection.R' 'network.R' 'newsfeed.R' 'queries.R' 'status.R' 'search.R' 'users.R' 'utils.R' 'wall.R' 'vkR.R'

NeedsCompilation no

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Repository CRAN

Date/Publication 2020-09-29 05:20:02 UTC

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`age_predict` *Predict age for the specified user*

Description

Predict age for the specified user

Usage

```
age_predict(user_id = "")
```

Arguments

`user_id`	User ID

`areFriends` *Checks the friendship status between two users*

Description

Checks the friendship status between two users

Usage

```
areFriends(source_id, target_id)
```

Arguments

`source_id`	Source user ID
`target_id`	Target user ID

Examples

```
## Not run:
areFriends(me(), 123456)

## End(Not run)
```

`boardGetComments` *Returns a list of comments on a topic on a community's discussion board*

Description

Returns a list of comments on a topic on a community's discussion board

Usage

```
boardGetComments(
  group_id = "",
  topic_id = "",
  need_likes = 0,
  start_comment_id = "",
  offset = 0,
  count = 20,
  sort = "",
  extended = 0,
  v = getAPIVersion()
)
```

Arguments

`group_id`	ID of the community that owns the discussion board.
`topic_id`	Topic ID.
`need_likes`	1 - to return the likes field, 0 - not to return the likes field (default).
`start_comment_id`	Positive number.
`offset`	Offset needed to return a specific subset of comments.
`count`	Number of comments to return (default 20, maximum 100).
`sort`	Sort order: asc - chronological, desc - reverse chronological.
`extended`	1 — to return information about users who posted comments; 0 — to return no additional fields (default).
`v`	Version of API

`boardGetCommentsExecute` *Returns a list of comments on a topic on a community's discussion board*

Description

Returns a list of comments on a topic on a community's discussion board

Usage

```
boardGetCommentsExecute(
  group_id = "",
  topic_id = "",
  need_likes = 0,
  start_comment_id = "",
  offset = 0,
  count = 20,
  sort = "",
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

`group_id`	ID of the community that owns the discussion board.
`topic_id`	Topic ID.
`need_likes`	1 - to return the likes field, 0 - not to return the likes field (default).
`start_comment_id`	Positive number.
`offset`	Offset needed to return a specific subset of comments.
`count`	Number of comments to return (default 20, 0 - for all comments).
`sort`	Sort order: asc - chronological, desc - reverse chronological.
`progress_bar`	Display progress bar.
`v`	Version of API

boardGetCommentsList *Returns a list of comments on a community's discussion board*

Description

Returns a list of comments on a community's discussion board

Usage

```
boardGetCommentsList(topics, progress_bar = FALSE, v = getAPIVersion())
```

Arguments

topics	A list of topics (from getTopicsExecute())
progress_bar	Display progress bar
v	Version of API

clear_text *Clear text*

Description

Clear text

Usage

```
clear_text(lines, patterns = list())
```

Arguments

lines	List of lines
patterns	List of user defined patterns

collection_exists *Check if collection exists*

Description

Check if collection exists

Usage

```
collection_exists(
  collection_name,
  collection_suffix = "",
  db_name = db_getActive()
)
```

Arguments

collection_name	Collection name
collection_suffix	Collection suffix
db_name	Database name

create_empty_collection *Create empty collection*

Description

Create empty collection

Usage

```
create_empty_collection(collection, suffix, db_name = db_getActive())
```

Arguments

collection	Collection name
suffix	Collection suffix
db_name	Database name

databaseGetChairs *Returns list of chairs on a specified faculty*

Description

Returns list of chairs on a specified faculty

Usage

```
databaseGetChairs(
  faculty_id = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

faculty_id	ID of the faculty to get chairs from
offset	Offset required to get a certain subset of chairs
count	Amount of chairs to get
v	Version of API

Examples

```
## Not run:
databaseGetChairs(206)

## End(Not run)
```

databaseGetCities *Returns a list of cities*

Description

Returns a list of cities

Usage

```
databaseGetCities(
  country_id = "",
  region_id = "",
  q = "",
  need_all = "1",
  offset = "",
```

```
  count = "100",
  v = getAPIVersion()
)
```

Arguments

country_id	Country ID
region_id	Region ID
q	Search query
need_all	1 - to return all cities in the country; 0 - to return major cities in the country (default)
offset	Offset needed to return a specific subset of cities
count	Number of cities to return
v	Version of API

Examples

```
## Not run:
databaseGetCities(country_id=1, need_all=0)

## End(Not run)
```

---

databaseGetCitiesById *Returns information about cities by their IDs*

Description

Returns information about cities by their IDs

Usage

```
databaseGetCitiesById(city_ids = "", v = getAPIVersion())
```

Arguments

city_ids	City IDs
v	Version of API

Examples

```
## Not run:
databaseGetCitiesById('1,2')

## End(Not run)
```

databaseGetCountries *Returns a list of countries*

Description

Returns a list of countries

Usage

```
databaseGetCountries(
  need_all = "1",
  code = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

need_all	1 - to return a full list of all countries; 0 - to return a list of countries near the current user's country
code	Country codes in ISO 3166-1 alpha-2 standard
offset	Offset needed to return a specific subset of countries
count	Number of countries to return
v	Version of API

Examples

```
## Not run:
databaseGetCountries(count=234)

## End(Not run)
```

databaseGetCountriesById *Returns information about countries by their IDs*

Description

Returns information about countries by their IDs

Usage

```
databaseGetCountriesById(country_ids, v = getAPIVersion())
```

Arguments

country_ids	Country IDs
v	Version of API

Examples

```
## Not run:
databaseGetCountriesById('1,2,3,4')

## End(Not run)
```

---

databaseGetFaculties *Returns a list of faculties (i.e., university departments)*

Description

Returns a list of faculties (i.e., university departments)

Usage

```
databaseGetFaculties(
  university_id = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

university_id	University ID
offset	Offset needed to return a specific subset of faculties
count	Number of faculties to return
v	Version of API

Examples

```
## Not run:
databaseGetFaculties(53)

## End(Not run)
```

databaseGetRegions *Returns a list of regions*

Description

Returns a list of regions

Usage

```
databaseGetRegions(
  country_id = "",
  q = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

country_id	Country ID, received in database.getCountries method
q	Search query
offset	Offset needed to return specific subset of regions
count	Number of regions to return
v	Version of API

Examples

```
## Not run:
databaseGetRegions(229)

## End(Not run)
```

databaseGetSchoolClasses *Returns a list of available classes*

Description

Returns a list of available classes

Usage

```
databaseGetSchoolClasses(country_id = "", v = getAPIVersion())
```

Arguments

country_id	Country ID
v	Version of API

Examples

```
## Not run:
databaseGetSchoolClasses(1)

## End(Not run)
```

---

databaseGetSchools *Returns a list of schools*

Description

Returns a list of schools

Usage

```
databaseGetSchools(
  q = "",
  city_id = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

q	Search query
city_id	City ID
offset	Offset needed to return a specific subset of schools
count	Number of schools to return
v	Version of API

Examples

```
## Not run:
databaseGetSchools(city_id = 2)

## End(Not run)
```

databaseGetStreetsById

Returns information about streets by their IDs

Description

Returns information about streets by their IDs

Usage

```
databaseGetStreetsById(street_ids = "", v = getAPIVersion())
```

Arguments

street_ids	Street IDs
v	Version of API

Examples

```
## Not run:
databaseGetStreetsById(1)

## End(Not run)
```

databaseGetUniversities

Returns a list of higher education institutions

Description

Returns a list of higher education institutions

Usage

```
databaseGetUniversities(
  q = "",
  country_id = "",
  city_id = "",
  offset = "",
  count = "100",
  v = getAPIVersion()
)
```

Arguments

q	Search query
country_id	Country ID
city_id	City ID
offset	Offset needed to return a specific subset of universities
count	Number of universities to return
v	Version of API

Examples

```
## Not run:
databaseGetUniversities(city_id = '2')

## End(Not run)
```

---

db_drop *Drop database*

Description

Drop database

Usage

```
db_drop(db_name)
```

Arguments

db_name	Database name

---

db_drop_collection *Drop collection*

Description

Drop collection

Usage

```
db_drop_collection(
  collection_name,
  collection_suffix = "",
  db_name = db_getActive()
)
```

Arguments

collection_name	Collection name
collection_suffix	Collection suffix
db_name	Database name

---

db_getActive *The current database name*

Description

The current database name

Usage

```
db_getActive()
```

---

db_getName *The current database name*

Description

The current database name

Usage

```
db_getName()
```

---

db_get_collection *Get collection*

Description

Get collection

Usage

```
db_get_collection(
  collection_name,
  collection_suffix = "",
  db_name = db_getActive()
)
```

Arguments

collection_name	Collection name
collection_suffix	Collection suffix
db_name	Database name

---

db_get_connection *Get a mongo connection object*

Description

Get a mongo connection object

Usage

```
db_get_connection(
  collection_name,
  collection_suffix = "",
  db_name = db_getActive()
)
```

Arguments

collection_name	Collection name
collection_suffix	Collection suffix
db_name	Database name

---

db_init *Initialize database*

Description

Initialize database

Usage

```
db_init(db_name = "temp", verbose = FALSE)
```

Arguments

db_name	Database name ('temp' by default)
verbose	Emit some more output

db_insert *Insert object into existing collection*

Description

Insert object into existing collection

Usage

```
db_insert(object, collection, suffix, db_name = db_getActive())
```

Arguments

object	Object to insert
collection	Collection name
suffix	Collection suffix
db_name	Database name

db_load *Load all collections from db for specified data base*

Description

Load all collections from db for specified data base

Usage

```
db_load(db_name = db_getActive())
```

Arguments

db_name	Database name

db_load_collection *Load collection from db*

Description

Load collection from db

Usage

```
db_load_collection(
  collection_name,
  collection_suffix = "",
  db_name = db_getActive()
)
```

Arguments

collection_name	Collection name
collection_suffix	Collection suffix
db_name	Database name

db_metaConnection *Get meta connection*

Description

Get meta connection

Usage

```
db_metaConnection()
```

db_save *Save object to db*

Description

Save object to db

Usage

```
db_save(object, collection, suffix = "", db_name = db_getActive())
```

Arguments

object	Object to save
collection	Collection name
suffix	Collection suffix
db_name	Database name

db_update *Update existing records*

Description

Update existing records

Usage

```
db_update(
  object,
  key,
  collection,
  suffix = "",
  db_name = db_getActive(),
  upsert = FALSE
)
```

Arguments

object	Object to insert
key	Key
collection	Collection name
suffix	Collection suffix
db_name	Database name
upsert	Insert a new document if no matching document exists

`execute` *A universal method for calling a sequence of other methods while saving and filtering interim results*

Description

A universal method for calling a sequence of other methods while saving and filtering interim results

Usage

```
execute(code, params = list())
```

Arguments

`code`	Algorithm code in VKScript
`params`	Parameters list

`filterAttachments` *Filtering attachments by type*

Description

Filtering attachments by type

Usage

```
filterAttachments(attachments, type)
```

Arguments

`attachments`	List of attachments
`type`	type field may have the following values: • **photo** - photo from an album; • **posted_photo** - photo uploaded directly from user's computer; • **video** - video; • **audio** - audio; • **doc** - document; • **graffiti** - graffiti; • **url** - web page URL; • **note** - note; • **app** - image uploaded with a third party application; • **poll** - poll; • **page** - wiki page.

getAccessToken *Get access token*

Description

Get access token

Usage

```
getAccessToken()
```

getArbitraryNetwork *Building a friend graph for an arbitrary list of users*

Description

Building a friend graph for an arbitrary list of users

Usage

```
getArbitraryNetwork(users_ids, format = "edgelist")
```

Arguments

users_ids	User IDs
format	Either "edgelist" for a list of edges or "adjmatrix" for an adjacency matrix

getCountryByCityId *Get country ID and title by given city ID*

Description

Get country ID and title by given city ID

Usage

```
getCountryByCityId(city_id)
```

Arguments

city_id	City ID

getEgoNetwork *Building a friend graph*

Description

Building a friend graph

Usage

```
getEgoNetwork(users_ids = "")
```

Arguments

users_ids	User IDs

getFriends *Returns a list of user IDs or detailed information about a user's friends*

Description

Returns a list of user IDs or detailed information about a user's friends

Usage

```
getFriends(
  user_id = "",
  order = "",
  list_id = "",
  count = "",
  offset = "",
  fields = "",
  name_case = "",
  flatten = FALSE,
  v = getAPIVersion()
)
```

Arguments

user_id	User ID. By default, the current user ID
order	Sort order (name - by name, hints - by rating)
list_id	ID of the friend list returned by the friends.getLists method to be used as the source. This parameter is taken into account only when the uid parameter is set to the current user ID
count	Number of friends to return

offset	Offset needed to return a specific subset of friends
fields	Profile fields to return
name_case	Case for declension of user name and surname
flatten	Automatically flatten nested data frames into a single non-nested data frame
v	Version of API

Examples

```
## Not run:
friends_list <- getFriends(user_id=1, order='name', fields='bdate')
friends <- friends_list$items

## End(Not run)
```

---

getFriendsBy25 *Returns a list of friends IDs for the specified users*

Description

Returns a list of friends IDs for the specified users

Usage

```
getFriendsBy25(user_ids, v = getAPIVersion())
```

Arguments

user_ids	User IDs (maximum 25)
v	Version of API

Examples

```
## Not run:
my_friends <- getFriends()
friends_of_friends <- getFriendsBy25(my_friends$items[1:25])

## End(Not run)
```

getFriendsFor *Returns a list of friends IDs for the specified users*

Description

Returns a list of friends IDs for the specified users

Usage

```
getFriendsFor(users_ids, v = getAPIVersion())
```

Arguments

users_ids	User IDs
v	Version of API

Examples

```
## Not run:
friends <- getFriendsFor(sample(x=seq(1:10000000), size=100, replace=FALSE))
users <- getUsersExecute(friends, fields = 'sex')

## End(Not run)
```

getGroups *Returns a list of the communities to which a user belongs*

Description

Returns a list of the communities to which a user belongs

Usage

```
getGroups(
  user_id = "",
  extended = "",
  filter = "",
  fields = "",
  offset = "",
  count = "",
  v = getAPIVersion()
)
```

Arguments

user_id	User ID
extended	1 - to return complete information about a user's communities; 0 - to return a list of community IDs without any additional fields (default)
filter	Types of communities to return: admin, editor, moder, groups, publics, events
fields	List of additional fields to be returned
offset	Offset needed to return a specific subset of communities
count	Number of communities to return (maximum value 1000)
v	Version of API

Examples

```
## Not run:
groups <- getGroups(me(), extended = 1, fields = 'city')

## End(Not run)
```

---

getGroupsById *Returns information about communities by their IDs*

Description

Returns information about communities by their IDs

Usage

```
getGroupsById(group_ids = "", group_id = "", fields = "", v = getAPIVersion())
```

Arguments

group_ids	IDs or screen names of communities
group_id	ID or screen name of the community
fields	Group fields to return
v	Version of API

getGroupsForUsers *Returns a list of the communities for the specified users*

Description

Returns a list of the communities for the specified users

Usage

```
getGroupsForUsers(
  users,
  extended = "",
  filter = "",
  fields = "",
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

users	A list of users
extended	1 - to return complete information about a user's communities; 0 - to return a list of community IDs without any additional fields (default)
filter	Types of communities to return: admin, editor, moder, groups, publics, events
fields	List of additional fields to be returned
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
members <- getGroupsForUsers(c(me(), 123456), extended = 1, fields='city', progress_bar = TRUE)

## End(Not run)
```

getGroupsMembers *Returns a list of community members*

Description

Returns a list of community members

Usage

```
getGroupsMembers(
  group_id = "",
  sort = "",
  offset = "",
  count = "",
  fields = "",
  filter = "",
  v = getAPIVersion()
)
```

Arguments

group_id	ID or screen name of the community
sort	Sort order
offset	Offset needed to return a specific subset of community members
count	Number of community members to return (maximum value 1000)
fields	List of additional fields to be returned
filter	friends - only friends in this community will be returned; unsure - only those who pressed 'I may attend' will be returned (if it's an event)
v	Version of API

Examples

```
## Not run:
members <- getGroupsMembers(1, fields='sex,bdate,city')

## End(Not run)
```

---

getGroupsMembersExecute

Returns a list of community members

Description

Returns a list of community members

Usage

```
getGroupsMembersExecute(
  group_id = "",
  sort = "",
  offset = 0,
  count = 0,
  fields = "",
```

```
  filter = "",
  flatten = FALSE,
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

group_id	ID or screen name of the community
sort	Sort order. Available values: id_asc, id_desc, time_asc, time_desc. time_asc and time_desc are availavle only if the method is called by the group's moderator
offset	Offset needed to return a specific subset of community members
count	Number of community members to (0 - get all community members)
fields	List of additional fields to be returned
filter	friends - only friends in this community will be returned; unsure - only those who pressed 'I may attend' will be returned (if it's an event)
flatten	Automatically flatten nested data frames into a single non-nested data frame
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
members <- getGroupsMembersExecute(1, fields='sex,bdate,city', progress_bar = TRUE)

## End(Not run)
```

---

getMutual *Returns a list of user IDs of the mutual friends of two users*

Description

Returns a list of user IDs of the mutual friends of two users

Usage

```
getMutual(
  source_id = "",
  target_uid = "",
  target_uids = "",
  order = "",
  count = "",
  offset = "",
  v = getAPIVersion()
)
```

Arguments

source_id	ID of the user whose friends will be checked against the friends of the user specified in target_uid
target_uid	ID of the user whose friends will be checked against the friends of the user specified in source_uid
target_uids	List of target uids (list of comma-separated positive numbers, the maximum number of elements allowed is 100)
order	Sort order
count	Number of mutual friends to return
offset	Offset needed to return a specific subset of mutual friends
v	Version of API

Examples

```
## Not run:
mutual_friends <- getMutual(target_uid=1)

## End(Not run)
```

---

getMutualExecute *Returns a list of user IDs of the mutual friends of two users*

Description

Returns a list of user IDs of the mutual friends of two users

Usage

```
getMutualExecute(
  source_id = "",
  target_uid = "",
  target_uids = "",
  order = "",
  count = "",
  offset = "",
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

source_id	ID of the user whose friends will be checked against the friends of the user specified in target_uid
target_uid	ID of the user whose friends will be checked against the friends of the user specified in source_uid

target_uids	List of target uids
order	Sort order
count	Number of mutual friends to return
offset	Offset needed to return a specific subset of mutual friends
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
mutual_friends <- getMutualExecute(target_uid=1)

## End(Not run)
```

---

getPaths *Returns a list of paths between two users*

Description

Returns a list of paths between two users

Usage

```
getPaths(source_id, target_id, are_friends = FALSE, max_depth = 5)
```

Arguments

source_id	Source ID
target_id	Target ID
are_friends	By default is FALSE
max_depth	Maximum depth

---

getStatus *Returns data required to show the status of a users and/or communities*

Description

Returns data required to show the status of a users and/or communities

Usage

```
getStatus(
  users_ids = c(),
  groups_ids = c(),
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

users_ids	User IDs
groups_ids	Community IDs
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
status.me <- getStatus()
status.friends <- getStatus(users_ids = getFriends()$items)
status.groups  <- getStatus(groups_ids = getGroups()$items)
status.friends_and_groups <- getStatus(users_ids = getFriends()$items,
 groups_ids = getGroups()$items, progress_bar = T)

## End(Not run)
```

---

getTopics *Returns a list of topics on a community's discussion board*

Description

Returns a list of topics on a community's discussion board

Usage

```
getTopics(
  group_id = "",
  topics_ids = "",
  order = "",
  offset = 0,
  count = 40,
  extended = 0,
  preview = 0,
  preview_length = 90,
  v = getAPIVersion()
)
```

Arguments

group_id	ID of the community that owns the discussion board.
topics_ids	IDs of topics to be returned (100 maximum). By default, all topics are returned. If this parameter is set, the order, offset, and count parameters are ignored.
order	Sort order: • 1 - by date updated in reverse chronological order; • 2 - by date created in reverse chronological order; • -1 - by date updated in chronological order; • -2 - by date created in chronological order. If no sort order is specified, topics are returned in the order specified by the group administrator. Pinned topics are returned first, regardless of the sorting.
offset	Offset needed to return a specific subset of topics.
count	Number of topics to return (default 40, maximum value 100).
extended	1 — to return information about users who created topics or who posted there last; 0 — to return no additional fields (default).
preview	1 — to return the first comment in each topic; 2 — to return the last comment in each topic; 0 — to return no comments.
preview_length	Number of characters after which to truncate the previewed comment. To preview the full comment, specify 0.
v	Version of API

---

getTopicsExecute *Returns a list of topics on a community's discussion board*

Description

Returns a list of topics on a community's discussion board

Usage

```
getTopicsExecute(
  group_id = "",
  order = "",
  offset = 0,
  count = 40,
  preview = 0,
  preview_length = 90,
  use_db = FALSE,
  db_params = list(),
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

group_id	ID of the community that owns the discussion board.
order	Sort order: • 1 - by date updated in reverse chronological order; • 2 - by date created in reverse chronological order; • -1 - by date updated in chronological order; • -2 - by date created in chronological order. If no sort order is specified, topics are returned in the order specified by the group administrator. Pinned topics are returned first, regardless of the sorting.
offset	Offset needed to return a specific subset of topics.
count	Number of topics to return (default 40, 0 - for all topics).
preview	1 — to return the first comment in each topic; 2 — to return the last comment in each topic; 0 — to return no comments.
preview_length	Number of characters after which to truncate the previewed comment. To preview the full comment, specify 0.
use_db	Use database
db_params	Collection name and suffix
progress_bar	Display progress bar
v	Version of API

---

getURLs *Extract URLs from messages*

Description

Extract URLs from messages

Usage

```
getURLs(messages, message_body = FALSE)
```

Arguments

messages	Array of messages
message_body	Add message body to URLs

`getUsers` *Returns detailed information on users*

Description

Returns detailed information on users

Usage

```
getUsers(
  user_ids = "",
  fields = "",
  name_case = "nom",
  flatten = FALSE,
  v = getAPIVersion()
)
```

Arguments

`user_ids`	User IDs or screen names (screen_name). By default, current user ID (the maximum number of elements allowed is 1000)
`fields`	Profile fields to return (see fetails for more information about fields)
`name_case`	Case for declension of user name and surname
`flatten`	Automatically flatten nested data frames into a single non-nested data frame
`v`	Version of API

Details

User object describes a user profile, contains the following fields:

- **uid** User ID
- **first_name** First name
- **last_name** Last name
- **deactivated** Returns if a profile is deleted or blocked. Gets the value deleted or banned. Keep in mind that in this case no additional fields are returned
- **hidden: 1** Returns while operating without access_token if a user has set the "Who can see my profile on the Internet" -> "Only VK users" privacy setting. Keep in mind that in this case no additional fields are returned
- **verified** Returns 1 if the profile is verified, 0 if not
- **blacklisted** Returns 1 if a current user is in the requested user's blacklist
- **sex** User sex (1 - female; 2 - male; 0 - not specified)
- **bdate** User's date of birth. Returned as DD.MM.YYYY or DD.MM (if birth year is hidden). If the whole date is hidden, no field is returned

- **city** ID of the city specified on user's page in "Contacts" section. Returns city ID that can be used to get its name using places.getCityById method. If no city is specified or main information on the page is hidden for in privacy settings, then it returns 0
- **country** ID of the country specified on user's page in "Contacts" section. Returns country ID that can be used to get its name using places.getCountryById method. If no country is specified or main information on the page is hidden in privacy settings, then it returns 0
- **home_town** User's home town
- **photo_50** Returns URL of square photo of the user with 50 pixels in width. In case user does not have a photo, http://vk.com/images/camera_c.gif is returned
- **photo_100** Returns URL of square photo of the user with 100 pixels in width. In case user does not have a photo, http://vk.com/images/camera_b.gif is returned
- **photo_200_orig** Returns URL of user's photo with 200 pixels in width. In case user does not have a photo, http://vk.com/images/camera_a.gif is returned
- **photo_200** Returns URL of square photo of the user with 200 pixels in width. If the photo was uploaded long time ago, there can be no image of such size and in this case the reply will not include this field
- **photo_400_orig** Returns URL of user's photo with 400 pixels in width. If user does not have a photo of such size, reply will not include this field
- **photo_max** Returns URL of square photo of the user with maximum width. Can be returned a photo both 200 and 100 pixels in width. In case user does not have a photo, http://vk.com/images/camera_b.gif is returned
- **photo_max_orig** Returns URL of user's photo of maximum size. Can be returned a photo both 400 and 200 pixels in width. In case user does not have a photo, http://vk.com/images/camera_a.gif is returned
- **online** Information whether the user is online. Returned values: 1 - online, 0 - offline. If user utilizes a mobile application or site mobile version, it returns online_mobile additional field that includes 1. With that, in case of application, online_app additional field is returned with application ID.
- **lists** Information about friend lists. Returns IDs of friend lists the user is member of, separated with a comma. The field is available for friends.get method only. To get information about ID and names of friend lists use friends.getLists method. If user is not a member of any friend list, then when accepting data in XML format the respective <user> node does not contain <lists> tag
- **domain** Page screen name. Returns a string with a page screen name (only subdomain is returned, like andrew). If not set, "id'+uid is returned, e.g. id35828305
- **has_mobile** Information whether the user's mobile phone number is available. Returned values: 1 - available, 0 - not available. We recommend you to use it prior to call of secure.sendSMSNotification method
- **contacts** Information about user's phone numbers. If data are available and not hidden in privacy settings, the following fields are returned (mobile_phone - user's mobile phone number (only for standalone applications); home_phone - user's additional phone number)
- **site** Returns a website address from a user profile
- **education** Information about user's higher education institution. The following fields are returned:

  - **university** University ID
  - **university_name** University name
  - **faculty** Faculty ID
  - **faculty_name** Faculty name
  - **graduation** Graduation year
- **universities** List of higher education institutions where user studied. Returns universities array with university objects with the following fields:
  - **id** University ID
  - **country** ID of the country the university is located in
  - **city** ID of the city the university is located in
  - **name** University name
  - **faculty** Faculty ID
  - **faculty_name** Faculty name
  - **chair** University chair ID
  - **chair_name** Chair name
  - **graduation** Graduation year
- **schools** List of schools where user studied in. Returns schools array with school objects with the following fields:
  - **id** School ID
  - **country** ID of the country the school is located in
  - **city** ID of the city the school is located in
  - **name** School name
  - **year_from** Year the user started to study
  - **year_to** Year the user finished to study
  - **year_graduated** Graduation year
  - **class** School class letter
  - **speciality** Speciality
  - **type** Type ID
  - **type_str** Type name
- **status** User status. Returns a string with status text that is in the profile below user's name
- **last_seen** Last visit date. Returns last_seen object with the following fields:
  - **time** Last visit date (in Unix time)
  - **platform** Type of the platform that used for the last authorization. See more at Using LongPoll server
- **followers_count** Number of user's followers
- **common_count** Number of common friends with a current user
- **counters** Number of various objects the user has. Can be used in users.get method only when requesting information about a user. Returns an object with fields:
  - **albums** Number of photo albums
  - **videos** Number of videos
  - **audios** Number of audios

  - **notes** Number of notes
  - **friends** Number of friends
  - **groups** Number of communities
  - **online_friends** Number of online friends
  - **mutual_friends** Number of mutual friends
  - **user_videos** Number of videos the user is tagged on
  - **followers** Number of followers
  - **user_photos** Number of photos the user is tagged on
  - **subscriptions** Number of subscriptions
- **occupation** Current user's occupation. Returns following fields:
  - **type** Can take the values: work, school, university
  - **id** ID of school, university, company group (the one a user works in)
  - **name** Name of school, university or work place
- **nickname** User nickname
- **relatives** Current user's relatives list. Returns a list of objects with id and type fields (name instead of id if a relative is not a VK user). type - relationship type. Possible values:
  - *sibling*
  - *parent*
  - *child*
  - *grandparent*
  - *grandchild*
- **relation** User relationship status. Returned values:
  - **1** - Single
  - **2** - In a relationship
  - **3** - Engaged
  - **4** - Married
  - **5** - It's complicated
  - **6** - Actively searching
  - **7** - In love
- **personal** Information from the "Personal views" section
  - **political** Political views:
    * 1 - Communist
    * 2 - Socialist
    * 3 - Moderate
    * 4 - Liberal
    * 5 - Conservative
    * 6 - Monarchist
    * 7 - Ultraconservative
    * 8 - Apathetic
    * 9 - Libertian
  - **langs** Languages

  - **religion** World view
  - **inspired_by** Inspired by
  - **people_main** Improtant in others:
    * 1 - Intellect and creativity
    * 2 - Kindness and honesty
    * 3 - Health and beauty
    * 4 - Wealth and power
    * 5 - Courage and persistance
    * 6 - Humor and love for life
  - **life_main** Personal priority:
    * 1 - Family and children
    * 2 - Career and money
    * 3 - Entertainment and leisure
    * 4 - Science and research
    * 5 - Improving the world
    * 6 - Personal development
    * 7 - Beauty and art
    * 8 - Fame and influence
  - **smoking** Views on smoking (1 - very negative; 2 - negative; 3 - neutral; 4 - compromisable; 5 - positive)
  - **alcohol** Views on alcohol (1 - very negative; 2 - negative; 3 - neutral; 4 - compromisable; 5 - positive)
- **connections** Returns specified services such as: skype, facebook, twitter, livejournal, instagram
- **exports** External services with export configured (twitter, facebook, livejournal, instagram)
- **wall_comments** Wall comments allowed(1 - allowed, 0 - not allowed)
- **activities** Activities
- **interests** Interests
- **music** Favorite music
- **movies** Favorite movies
- **tv** Favorite TV shows
- **books** Favorite books
- **games** Favorite games
- **about** "About me"
- **quotes** Favorite quotes
- **can_post** Can post on the wall: 1 - allowed, 0 - not allowed
- **can_see_all_posts** Can see other users' posts on the wall: 1 - allowed, 0 - not allowed
- **can_see_audio** Can see other users' audio on the wall: 1 - allowed, 0 - not allowed
- **can_write_private_message** Can write private messages to a current user: 1 - allowed, 0 - not allowed
- **timezone** user time zone. Retuns only while requesting current user info
- **screen_name** User page's screen name (subdomain)

Examples

```
## Not run:
user <- getUsers('1', fields='sex,bdate,city')

## End(Not run)
```

`getUsersExecute` *Returns detailed information on arbitrary number of users*

Description

Returns detailed information on arbitrary number of users

Usage

```
getUsersExecute(
  users_ids,
  fields = "",
  name_case = "nom",
  drop = FALSE,
  flatten = FALSE,
  use_db = FALSE,
  db_params = list(),
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

`users_ids`	User IDs or screen names (screen_name). By default, current user ID
`fields`	Profile fields to return
`name_case`	Case for declension of user name and surname
`drop`	Drop deleted or banned users
`flatten`	Automatically flatten nested data frames into a single non-nested data frame
`use_db`	Use database
`db_params`	Collection name and suffix
`progress_bar`	Display progress bar
`v`	Version of API

Details

User object describes a user profile, contains the following fields:

- **uid** User ID
- **first_name** First name
- **last_name** Last name
- **deactivated** Returns if a profile is deleted or blocked. Gets the value deleted or banned. Keep in mind that in this case no additional fields are returned
- **hidden: 1** Returns while operating without access_token if a user has set the "Who can see my profile on the Internet" -> "Only VK users" privacy setting. Keep in mind that in this case no additional fields are returned
- **verified** Returns 1 if the profile is verified, 0 if not
- **blacklisted** Returns 1 if a current user is in the requested user's blacklist
- **sex** User sex (1 - female; 2 - male; 0 - not specified)
- **bdate** User's date of birth. Returned as DD.MM.YYYY or DD.MM (if birth year is hidden). If the whole date is hidden, no field is returned
- **city** ID of the city specified on user's page in "Contacts" section. Returns city ID that can be used to get its name using places.getCityById method. If no city is specified or main information on the page is hidden for in privacy settings, then it returns 0
- **country** ID of the country specified on user's page in "Contacts" section. Returns country ID that can be used to get its name using places.getCountryById method. If no country is specified or main information on the page is hidden in privacy settings, then it returns 0
- **home_town** User's home town
- **photo_50** Returns URL of square photo of the user with 50 pixels in width. In case user does not have a photo, http://vk.com/images/camera_c.gif is returned
- **photo_100** Returns URL of square photo of the user with 100 pixels in width. In case user does not have a photo, http://vk.com/images/camera_b.gif is returned
- **photo_200_orig** Returns URL of user's photo with 200 pixels in width. In case user does not have a photo, http://vk.com/images/camera_a.gif is returned
- **photo_200** Returns URL of square photo of the user with 200 pixels in width. If the photo was uploaded long time ago, there can be no image of such size and in this case the reply will not include this field
- **photo_400_orig** Returns URL of user's photo with 400 pixels in width. If user does not have a photo of such size, reply will not include this field
- **photo_max** Returns URL of square photo of the user with maximum width. Can be returned a photo both 200 and 100 pixels in width. In case user does not have a photo, http://vk.com/images/camera_b.gif is returned
- **photo_max_orig** Returns URL of user's photo of maximum size. Can be returned a photo both 400 and 200 pixels in width. In case user does not have a photo, http://vk.com/images/camera_a.gif is returned
- **online** Information whether the user is online. Returned values: 1 - online, 0 - offline. If user utilizes a mobile application or site mobile version, it returns online_mobile additional field that includes 1. With that, in case of application, online_app additional field is returned with application ID.

- **lists** Information about friend lists. Returns IDs of friend lists the user is member of, separated with a comma. The field is available for friends.get method only. To get information about ID and names of friend lists use friends.getLists method. If user is not a member of any friend list, then when accepting data in XML format the respective <user> node does not contain <lists> tag
- **domain** Page screen name. Returns a string with a page screen name (only subdomain is returned, like andrew). If not set, "id'+uid is returned, e.g. id35828305
- **has_mobile** Information whether the user's mobile phone number is available. Returned values: 1 - available, 0 - not available. We recommend you to use it prior to call of secure.sendSMSNotification method
- **contacts** Information about user's phone numbers. If data are available and not hidden in privacy settings, the following fields are returned (mobile_phone - user's mobile phone number (only for standalone applications); home_phone - user's additional phone number)
- **site** Returns a website address from a user profile
- **education** Information about user's higher education institution. The following fields are returned:
  - **university** University ID
  - **university_name** University name
  - **faculty** Faculty ID
  - **faculty_name** Faculty name
  - **graduation** Graduation year
- **universities** List of higher education institutions where user studied. Returns universities array with university objects with the following fields:
  - **id** University ID
  - **country** ID of the country the university is located in
  - **city** ID of the city the university is located in
  - **name** University name
  - **faculty** Faculty ID
  - **faculty_name** Faculty name
  - **chair** University chair ID
  - **chair_name** Chair name
  - **graduation** Graduation year
- **schools** List of schools where user studied in. Returns schools array with school objects with the following fields:
  - **id** School ID
  - **country** ID of the country the school is located in
  - **city** ID of the city the school is located in
  - **name** School name
  - **year_from** Year the user started to study
  - **year_to** Year the user finished to study
  - **year_graduated** Graduation year
  - **class** School class letter

  - **speciality** Speciality
  - **type** Type ID
  - **type_str** Type name
- **status** User status. Returns a string with status text that is in the profile below user's name
- **last_seen** Last visit date. Returns last_seen object with the following fields:
  - **time** Last visit date (in Unix time)
  - **platform** Type of the platform that used for the last authorization. See more at Using LongPoll server
- **followers_count** Number of user's followers
- **common_count** Number of common friends with a current user
- **counters** Number of various objects the user has. Can be used in users.get method only when requesting information about a user. Returns an object with fields:
  - **albums** Number of photo albums
  - **videos** Number of videos
  - **audios** Number of audios
  - **notes** Number of notes
  - **friends** Number of friends
  - **groups** Number of communities
  - **online_friends** Number of online friends
  - **mutual_friends** Number of mutual friends
  - **user_videos** Number of videos the user is tagged on
  - **followers** Number of followers
  - **user_photos** Number of photos the user is tagged on
  - **subscriptions** Number of subscriptions
- **occupation** Current user's occupation. Returns following fields:
  - **type** Can take the values: work, school, university
  - **id** ID of school, university, company group (the one a user works in)
  - **name** Name of school, university or work place
- **nickname** User nickname
- **relatives** Current user's relatives list. Returns a list of objects with id and type fields (name instead of id if a relative is not a VK user). type - relationship type. Possible values:
  - *sibling*
  - *parent*
  - *child*
  - *grandparent*
  - *grandchild*
- **relation** User relationship status. Returned values:
  - **1** - Single
  - **2** - In a relationship
  - **3** - Engaged
  - **4** - Married

  - **5** - It's complicated
  - **6** - Actively searching
  - **7** - In love
- **personal** Information from the "Personal views" section
  - **political** Political views:
    * 1 - Communist
    * 2 - Socialist
    * 3 - Moderate
    * 4 - Liberal
    * 5 - Conservative
    * 6 - Monarchist
    * 7 - Ultraconservative
    * 8 - Apathetic
    * 9 - Libertian
  - **langs** Languages
  - **religion** World view
  - **inspired_by** Inspired by
  - **people_main** Improtant in others:
    * 1 - Intellect and creativity
    * 2 - Kindness and honesty
    * 3 - Health and beauty
    * 4 - Wealth and power
    * 5 - Courage and persistance
    * 6 - Humor and love for life
  - **life_main** Personal priority:
    * 1 - Family and children
    * 2 - Career and money
    * 3 - Entertainment and leisure
    * 4 - Science and research
    * 5 - Improving the world
    * 6 - Personal development
    * 7 - Beauty and art
    * 8 - Fame and influence
  - **smoking** Views on smoking (1 - very negative; 2 - negative; 3 - neutral; 4 - compromisable; 5 - positive)
  - **alcohol** Views on alcohol (1 - very negative; 2 - negative; 3 - neutral; 4 - compromisable; 5 - positive)
- **connections** Returns specified services such as: skype, facebook, twitter, livejournal, instagram
- **exports** External services with export configured (twitter, facebook, livejournal, instagram)
- **wall_comments** Wall comments allowed(1 - allowed, 0 - not allowed)
- **activities** Activities

- **interests** Interests
- **music** Favorite music
- **movies** Favorite movies
- **tv** Favorite TV shows
- **books** Favorite books
- **games** Favorite games
- **about** "About me"
- **quotes** Favorite quotes
- **can_post** Can post on the wall: 1 - allowed, 0 - not allowed
- **can_see_all_posts** Can see other users' posts on the wall: 1 - allowed, 0 - not allowed
- **can_see_audio** Can see other users' audio on the wall: 1 - allowed, 0 - not allowed
- **can_write_private_message** Can write private messages to a current user: 1 - allowed, 0 - not allowed
- **timezone** user time zone. Retuns only while requesting current user info
- **screen_name** User page's screen name (subdomain)

Examples

```
## Not run:
random_ids <- sample(x=seq(1:10000000), size=10000, replace=FALSE)
users <- getUsersExecute(random_ids, fields='sex,bdate,city')

## End(Not run)
```

---

getWall *Returns a list of posts on a user wall or community wall*

Description

Returns a list of posts on a user wall or community wall

Usage

```
getWall(
  owner_id = "",
  domain = "",
  offset = "",
  count = "",
  filter = "owner",
  extended = "",
  fields = "",
  v = getAPIVersion()
)
```

Arguments

owner_id	ID of the user or community that owns the wall. By default, current user ID. Use a negative value to designate a community ID.
domain	User or community short address.
offset	Offset needed to return a specific subset of posts.
count	Number of posts to return (maximum 100).
filter	Filter to apply: • **owner** - posts by the wall owner; • **others** - posts by someone else; • **all** - posts by the wall owner and others (default); • **postponed** - timed posts (only available for calls with an access_token); • **suggests** - suggested posts on a community wall.
extended	1 - to return wall, profiles, and groups fields, 0 - to return no additional fields (default).
fields	List of comma-separated words
v	Version of API

Value

Returns a list of post objects. If extended is set to 1, also returns the following:

- **wall** - Contains a list of post objects.
- **profiles** - Contains user objects with additional fields photo and online.
- **groups** - Contains community objects.

Examples

```
## Not run:
wall <- getWall(domain='spbrug', count=10, progress_bar=TRUE)

## End(Not run)
```

---

getWallExecute *Returns a list of posts on a user wall or community wall*

Description

Returns a list of posts on a user wall or community wall

Usage

```
getWallExecute(
  owner_id = "",
  domain = "",
  offset = 0,
  count = 10,
  filter = "owner",
  extended = "",
  fields = "",
  use_db = FALSE,
  db_params = list(),
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

owner_id	ID of the user or community that owns the wall. By default, current user ID. Use a negative value to designate a community ID.
domain	User or community short address.
offset	Offset needed to return a specific subset of posts.
count	Number of posts to return (0 for all posts).
filter	Filter to apply: • **owner** - posts by the wall owner; • **others** - posts by someone else; • **all** - posts by the wall owner and others (default); • **postponed** - timed posts (only available for calls with an access_token); • **suggests** - suggested posts on a community wall.
extended	1 - to return wall, profiles, and groups fields, 0 - to return no additional fields (default).
fields	List of comma-separated words
use_db	Use database
db_params	Collection name and suffix
progress_bar	Display progress bar
v	Version of API

Value

Returns a list of post objects. If extended is set to 1, also returns the following:

- **wall** - Contains a list of post objects.
- **profiles** - Contains user objects with additional fields photo and online.
- **groups** - Contains community objects.

Examples

```
## Not run:
# get all posts from wall
wall <- getWallExecute(domain='spbrug', count=0, progress_bar=TRUE)

## End(Not run)
```

`get_stop_words` *Get stop words list for russian language*

Description

Get stop words list for russian language

Usage

```
get_stop_words(stop_words = c())
```

Arguments

`stop_words`	User defined stop words

`groupsSearch` *Returns a list of communities matching the search criteria*

Description

Returns a list of communities matching the search criteria

Usage

```
groupsSearch(
  q = "",
  type = "",
  country_id = "",
  city_id = "",
  future = 0,
  market = 0,
  sort = 0,
  offset = 0,
  count = 20,
  v = getAPIVersion()
)
```

Arguments

q	Search query string
type	Community type. Possible values: group, page, event
country_id	Country ID
city_id	City ID. If this parameter is transmitted, country_id is ignored
future	1 — to return only upcoming events. Works with the type = event only
market	1 — to return communities with enabled market only
sort	Sort order. Possible values: • 0 — default sorting (similar the full version of the site); • 1 — by growth speed; • 2— by the "day attendance/members number" ratio; • 3 — by the "Likes number/members number" ratio; • 4 — by the "comments number/members number" ratio; • 5 — by the "boards entries number/members number" ratio.
offset	Offset needed to return a specific subset of results
count	Number of communities to return (default 20, maximum value 1000)
v	Version of API

---

handle_captcha *Captcha error handler*

Description

Captcha error handler

Usage

```
handle_captcha(error)
```

Arguments

error	Error object

handle_validation *Validation error handler*

Description

Validation error handler

Usage

```
handle_validation(error)
```

Arguments

error	Error object

has_error *Get error code from response*

Description

Get error code from response

Usage

```
has_error(response)
```

Arguments

response	httr response object

likesGetList *Returns a list of IDs of users who added the specified object to their Likes list*

Description

Returns a list of IDs of users who added the specified object to their Likes list

Usage

```
likesGetList(
  type = "",
  owner_id = "",
  item_id = "",
  page_url = "",
  filter = "",
  friends_only = "0",
  extended = "",
  offset = "",
  count = "100",
  skip_own = 0,
  v = getAPIVersion()
)
```

Arguments

type	Object type
owner_id	ID of the user, community, or application that owns the object
item_id	Object ID
page_url	URL of the page where the Like widget is installed. Used instead of the item_id parameter
filter	Filters to apply: likes - returns information about all users who liked the object (default); copies - returns information only about users who told their friends about the object
friends_only	Specifies which users are returned: 1 - to return only the current user's friends; 0 - to return all users (default)
extended	Specifies whether extended information will be returned. 1 - to return extended information about users and communities from the Likes list; 0 - to return no additional information (default)
offset	Offset needed to select a specific subset of users
count	Number of user IDs to return (maximum 1000)
skip_own	Flag, either 1 or 0
v	Version of API

---

likesGetListForObjects

Returns a list of IDs of users who added the specified objects to their Likes list

---

Description

Returns a list of IDs of users who added the specified objects to their Likes list

Usage

```
likesGetListForObjects(
  objects,
  type = "post",
  filter = "likes",
  friends_only = 0,
  extended = 0,
  skip_own = 0,
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

objects	List of objects (objects must contain fields owner_id and id)
type	Object type (post or comment)
filter	Filters to apply: likes - returns information about all users who liked the object (default); copies - returns information only about users who told their friends about the object
friends_only	Specifies which users are returned: 1 - to return only the current user's friends; 0 - to return all users (default)
extended	Specifies whether extended information will be returned. 1 - to return extended information about users and communities from the Likes list; 0 - to return no additional information (default)
skip_own	flag, either 1 or 0
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
wall <- getWallExecute(domain = 'privivkanet', count = 10, progress_bar = TRUE)
post_likers <- likesGetListForObjects(wall, type = 'post', progress_bar = TRUE)
post_likers_extended <- likesGetListForObjects(wall, type = 'post',
   extended = 1, progress_bar = TRUE)

## End(Not run)
```

---

me *Returns current user ID*

Description

Returns current user ID

Usage

```
me()
```

`messagesGet` *Returns a list of the current user's incoming or outgoing private messages*

Description

Returns a list of the current user's incoming or outgoing private messages

Usage

```
messagesGet(
  out = "",
  offset = "",
  count = "",
  time_offset = "",
  filters = "",
  preview_length = "",
  last_message_id = "",
  v = getAPIVersion()
)
```

Arguments

`out`	1 - to return outgoing messages; 0 - to return incoming messages (default)
`offset`	Offset needed to return a specific subset of messages
`count`	Number of messages to return
`time_offset`	Maximum time since a message was sent, in seconds. To return messages without a time limitation, set as 0
`filters`	Filter to apply: 1 - unread only; 2 - not from the chat; 4 - messages from friends
`preview_length`	Number of characters after which to truncate a previewed message. To preview the full message, specify 0
`last_message_id`	ID of the message received before the message that will be returned last
`v`	Version of API

messagesGetHistory *Returns message history for the specified user or group chat*

Description

Returns message history for the specified user or group chat

Usage

```
messagesGetHistory(
  offset = "",
  count = "",
  user_id = "",
  peer_id = "",
  start_message_id = "",
  rev = "",
  v = getAPIVersion()
)
```

Arguments

offset	Offset needed to return a specific subset of messages
count	Number of messages to return (maximum value 200)
user_id	ID of the user whose message history you want to return
peer_id	Destination ID (user ID, group ID or chat ID)
start_message_id	Starting message ID from which to return history
rev	Sort order: 1 - return messages in chronological order; 0 - return messages in reverse chronological order
v	Version of API

messagesGetHistoryAll *Returns all message history for the specified user or group chat*

Description

Returns all message history for the specified user or group chat

Usage

```
messagesGetHistoryAll(user_id = "", peer_id = "", rev = 0, v = getAPIVersion())
```

Arguments

user_id	ID of the user whose message history you want to return
peer_id	Destination ID (user ID, group ID or chat ID)
rev	Sort order: 1 - return messages in chronological order; 0 - return messages in reverse chronological order
v	Version of API

---

messagesGetHistoryExecute

Returns message history for the specified user or group chat

Description

Returns message history for the specified user or group chat

Usage

```
messagesGetHistoryExecute(
  offset = 0,
  count = 0,
  user_id = "",
  peer_id = "",
  start_message_id = "",
  rev = 0,
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

offset	Offset needed to return a specific subset of messages
count	Number of messages to return (0 for all history)
user_id	ID of the user whose message history you want to return
peer_id	Destination ID (user ID, group ID or chat ID)
start_message_id	Starting message ID from which to return history
rev	Sort order: 1 - return messages in chronological order; 0 - return messages in reverse chronological order
progress_bar	Display progress bar
v	Version of API

messagesSend *Sends a message.*

Description

Sends a message.

Usage

```
messagesSend(
  user_id,
  random_id = "",
  peer_id = "",
  domain = "",
  chat_id = "",
  user_ids = "",
  message = "",
  lat = "",
  long = "",
  attachment = "",
  forward_messages = "",
  sticker_id = "",
  v = getAPIVersion()
)
```

Arguments

user_id	User ID (by default — current user).
random_id	Unique identifier to avoid resending the message.
peer_id	Destination ID.
domain	User's short address (for example, illarionov).
chat_id	ID of conversation the message will relate to.
user_ids	IDs of message recipients (if new conversation shall be started).
message	Text of the message (required if attachments is not set).
lat	Geographical latitude of a check-in, in degrees (from -90 to 90).
long	Geographical longitude of a check-in, in degrees (from -180 to 180).
attachment	List of objects attached to the message, separated by commas, in the following format: <type><owner_id>_<media_id> <type> — Type of media attachment: • photo - photo • video - video • audio - audio • doc - document

- wall - wall post

<owner_id> — ID of the media attachment owner.

<media_id> — media attachment ID.

`forward_messages` ID of forwarded messages, separated with a comma. Listed messages of the sender will be shown in the message body at the recipient's.

`sticker_id` Sticker id.

`v` Version of API.

`messagesSplitByDate` *Split messages by days, weeks, months*

Description

Split messages by days, weeks, months

Usage

```
messagesSplitByDate(messages, format = "%y-%m-%d")
```

Arguments

`messages`	List of messages from messagesGet()
`format`	Character string giving a date-time format as used by strptime

---

`newsfeedSearch` *Returns search results by statuses*

Description

Returns search results by statuses

Usage

```
newsfeedSearch(
  q = "",
  extended = "",
  count = "",
  latitude = "",
  longitude = "",
  start_time = "",
  end_time = "",
  start_from = "",
  fields = "",
  v = getAPIVersion()
)
```

Arguments

q	Search query string (e.g., New Year).
extended	1 — to return additional information about the user or community that placed the post
count	Number of posts to return
latitude	Geographical latitude point (in degrees, -90 to 90) within which to search
longitude	Geographical longitude point (in degrees, -180 to 180) within which to search
start_time	Earliest timestamp (in Unix time) of a news item to return. By default, 24 hours ago
end_time	Latest timestamp (in Unix time) of a news item to return. By default, the current time
start_from	String, accessible for versions from 5.13
fields	Additional fields of profiles and communities to return
v	Version of API

---

or *Logical or operator*

Description

Logical or operator

Usage

```
or(expr1, expr2)
```

Arguments

expr1	Expression 1
expr2	Expression 2

postGetComments *Returns a list of comments on a post on a user wall or community wall*

Description

Returns a list of comments on a post on a user wall or community wall

Usage

```
postGetComments(
  owner_id = "",
  post_id = "",
  need_likes = 1,
  start_comment_id = "",
  offset = 0,
  count = 10,
  sort = "",
  preview_length = 0,
  extended = "",
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

owner_id	User ID or community ID. Use a negative value to designate a community ID.
post_id	Post ID.
need_likes	1 - to return the likes field (default), 0 - not to return the likes field.
start_comment_id	Positive number
offset	Offset needed to return a specific subset of comments.
count	Number of comments to return.
sort	Sort order: asc - chronological, desc - reverse chronological.
preview_length	Number of characters at which to truncate comments when previewed. Specify 0 (default) if you do not want to truncate comments.
extended	Flag, either 1 or 0.
progress_bar	Display progress bar
v	Version of API

profile_fields *Helper function for working with profile fields*

Description

Helper function for working with profile fields

Usage

```
profile_fields(fields = "")
```

Arguments

fields	Profile fields to return

Examples

```
## Not run:
# get list of all fields
fields <- profile_fields('all')

# get list of all fields except specified
fields <- profile_fields('all - photo_50,photo_100,photo_200')

# get only specified fields
fields <- profile_fields('sex,bdate')

## End(Not run)
```

queryBuilder *Returns a query string*

Description

Returns a query string

Usage

```
queryBuilder(method_name, ...)
```

Arguments

method_name	Method name
...	Method arguments

`repeat_last_query` *Repeat last function call*

Description

Repeat last function call

Usage

```
repeat_last_query(params = list(), n = 1)
```

Arguments

`params`	Query params
`n`	The number of generations to go back

`request_delay` *Delaying a request if necessary*

Description

VK can accept maximum 3 requests to API methods per second from a client.

Usage

```
request_delay()
```

`saveAsGEXF` *Converts the given igraph object to GEXF format and saves it at the given filepath location*

Description

Converts the given igraph object to GEXF format and saves it at the given filepath location

Usage

```
saveAsGEXF(g, filepath = "converted_graph.gexf")
```

Arguments

`g`	Input igraph object to be converted to gexf format
`filepath`	File location where the output gexf file should be saved

Author(s)

Gopalakrishna Palem, <Gopalakrishna.Palem@Yahoo.com>

search.getHints *Allows the programmer to do a quick search for any substring*

Description

Allows the programmer to do a quick search for any substring

Usage

```
search.getHints(
  q = "",
  limit = "",
  filters = "",
  search_global = "",
  v = getAPIVersion()
)
```

Arguments

q	Search query string
limit	Maximum number of results to return
filters	List of comma-separated words
search_global	Flag, either 1 or 0, default 1
v	Version of API

setAccessToken *Set access token*

Description

Set access token

Usage

```
setAccessToken(access_token = "")
```

Arguments

access_token	Access token

setAPIVersion *Set API version*

Description

Set API version

Usage

```
setAPIVersion(v)
```

Arguments

v	API version

setRepeats *Set maximum number of repeats*

Description

Set maximum number of repeats

Usage

```
setRepeats(n)
```

Arguments

n	Repeats number

setTimeout *Set timeout*

Description

Set timeout

Usage

```
setTimeout(secs)
```

Arguments

secs	Seconds

show_collections *Show collections*

Description

Show collections

Usage

```
show_collections()
```

show_dbs *Show databases*

Description

Show databases

Usage

```
show_dbs()
```

tag2Id *Returns user id by tag*

Description

Returns user id by tag

Usage

```
tag2Id(tag)
```

Arguments

tag	Tag

`try_handle_error` *Check response for errors*

Description

Check response for errors

Usage

```
try_handle_error(response)
```

Arguments

`response`	httr response object

`try_handle_network_error` *Try to handle network error*

Description

Try to handle network error

Usage

```
try_handle_network_error(error)
```

Arguments

`error`	Error

`usersGetFollowers` *Returns a list of IDs of followers of the user in question, sorted by date added, most recent first*

Description

Returns a list of IDs of followers of the user in question, sorted by date added, most recent first

Usage

```
usersGetFollowers(
  user_id = "",
  offset = 0,
  count = 0,
  fields = "",
  name_case = "",
  drop = FALSE,
  flatten = FALSE,
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

user_id	User ID
offset	Offset needed to return a specific subset of followers
count	Number of followers to return
fields	Profile fields to return
name_case	Case for declension of user name and surname
drop	Drop deleted or banned followers
flatten	Automatically flatten nested data frames into a single non-nested data frame
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
my_followers <- usersGetFollowers(me())

## End(Not run)
```

---

usersGetSubscriptions *Returns a list of IDs of users and communities followed by the user*

Description

Returns a list of IDs of users and communities followed by the user

Usage

```
usersGetSubscriptions(
  user_id = "",
  extended = "1",
  offset = 0,
  count = 0,
  fields = "",
  flatten = FALSE,
  progress_bar = FALSE,
  v = getAPIVersion()
)
```

Arguments

user_id	User ID
extended	1 - to return a combined list of users and communities, 0 - to return separate lists of users and communities
offset	Offset needed to return a specific subset of subscriptions
count	Number of users and communities to return
fields	Profile fields to return
flatten	Automatically flatten nested data frames into a single non-nested data frame
progress_bar	Display progress bar
v	Version of API

Examples

```
## Not run:
my_subscriptions <- usersGetSubscriptions(me())

## End(Not run)
```

---

usersSearch *Returns a list of users matching the search criteria*

Description

Returns a list of users matching the search criteria

Usage

```
usersSearch(
  q = "",
  sort = "",
  offset = "",
  count = "20",
```

```
  fields = "",
  city = "",
  country = "",
  hometown = "",
  university_country = "",
  university = "",
  university_year = "",
  university_faculty = "",
  university_chair = "",
  sex = "",
  status = "",
  age_from = "",
  age_to = "",
  birth_day = "",
  birth_month = "",
  birth_year = "",
  online = "",
  has_photo = "",
  school_country = "",
  school_city = "",
  school_class = "",
  school = "",
  school_year = "",
  religion = "",
  interests = "",
  company = "",
  position = "",
  group_id = "",
  from_list = "",
  flatten = FALSE,
  v = getAPIVersion()
)
```

Arguments

q	Search query string (e.g., Vasya Babich)
sort	Sort order: 1 - by date registered; 0 - by rating
offset	Offset needed to return a specific subset of users
count	Number of users to return
fields	Profile fields to return
city	City ID
country	Country ID
hometown	City name in a string
university_country	ID of the country where the user graduated
university	ID of the institution of higher education

university_year	Year of graduation from an institution of higher education
university_faculty	Faculty ID
university_chair	Chair ID
sex	1 - female; 2 - male; 0 - any (default)
status	Relationship status: 1 - Not married; 2 - In a relationship; 3 - Engaged; 4 - Married; 5 - It's complicated; 6 - Actively searching; 7 - In love
age_from	Minimum age
age_to	Maximum age
birth_day	Day of birth
birth_month	Month of birth
birth_year	Year of birth
online	1 - online only; 0 - all users
has_photo	1 - with photo only; 0 - all users
school_country	ID of the country where users finished school
school_city	ID of the city where users finished school
school_class	Positive number
school	ID of the school
school_year	School graduation year
religion	Users' religious affiliation
interests	Users' interests
company	Name of the company where users work
position	Job position
group_id	ID of a community to search in communities
from_list	List of comma-separated words
flatten	Automatically flatten nested data frames into a single non-nested data frame
v	Version of API

---

use_db *Switch database*

Description

Switch database

Usage

```
use_db(db_name)
```

Arguments

db_name	Database name

vkApply *Apply a method over a vector of objects*

Description

Returns a data frame of the same number of rows as length of ‘objs‘, each element of which is the result of applying ‘method‘ to the corresponding element of ‘objs‘

Usage

```
vkApply(objs, method)
```

Arguments

objs	A vector of objects
method	The function to be applied to each element of ‘objs‘

Examples

```
## Not run:
 users <- vkApply(c("",1234567), function(user) getUsers(user, fields="sex"))
 countries <- vkApply(c(2,5122182,1906578), getCountryByCityId)

## End(Not run)
```

vkOAuth *Client authorization*

Description

Client authorization

Usage

```
vkOAuth(client_id, scope = "friends", email, password)
```

Arguments

client_id	Application ID
scope	Requested application access permissions (see below).
email	Email or phone number
password	Password

Details

List of Available Settings of Access Permissions:

- **friends** Access to friends.
- **photos** Access to photos.
- **audio** Access to audios.
- **video** Access to videos.
- **docs** Access to documents.
- **notes** Access to user notes.
- **pages** Access to wiki pages.
- **status** Access to user status.
- **wall** Access to standard and advanced methods for the wall.
- **groups** Access to user groups.
- **messages** Access to advanced methods for messaging.
- **notifications** Access to notifications about answers to the user.

Examples

```
## Not run:
# an example of an authenticated request
vkOAuth(client_id = 123456,
        scope = "friends,groups,messages",
        email = "your_email@example.com",
        password = "your_secret_password")

# save access token for future sessions
at <- getAccessToken()

# an example of request
me()

# an example of an authenticated request without specifying email and password
vkOAuth(client_id = 123456, scope = "friends,groups,messages")

# copy access token from browser address bar
setAccessToken("your_secret_access_token")

## End(Not run)
```

vkOAuthWeb *Client authorization (for web application)*

Description

Client authorization (for web application)

Usage

```
vkOAuthWeb(app_name, client_id, client_secret)
```

Arguments

app_name	Application name
client_id	Application ID
client_secret	Application secret key

vkPost *Create post object*

Description

Create post object

Usage

```
vkPost(...)
```

Arguments

...	List of attributes

vkR *Access to VK API via R*

Description

This package provides a series of functions that allow R users to access VK's API (https://vk.com/dev/methods) to get information about users, messages, groups, posts and likes.

Details

VK (https://vk.com/) is the largest European online social networking service, based in Russia. It is available in several languages, and is especially popular among Russian-speaking users. VK allows users to message each other publicly or privately, to create groups, public pages and events, share and tag images, audio and video, and to play browser-based games [1].

Author(s)

Dmitriy Sorokin <dementiy@yandex.ru>

References

[1] https://en.wikipedia.org/wiki/VK_(social_networking)

See Also

vkOAuth, getUsersExecute, getWallExecute, getFriends, getFriendsFor, getGroupsForUsers, getGroupsMembersExecute, likesGetListForObjects, messagesGetHistoryExecute, getArbitraryNetwork, getStatus

vk_stop *Custom error*

Description

Custom error

Usage

```
vk_stop(message = "", call = sys.call(), error_code = "")
```

Arguments

message	Error message
call	Call expression
error_code	Error code

`wallGetById` *Returns a list of posts from user or community walls by their IDs*

Description

Returns a list of posts from user or community walls by their IDs

Usage

```
wallGetById(
  posts = "",
  extended = "",
  copy_history_depth = "",
  fields = "",
  v = getAPIVersion()
)
```

Arguments

`posts`	User or community IDs and post IDs, separated by underscores. Use a negative value to designate a community ID.
`extended`	1 - to return user and community objects needed to display posts, 0 - no additional fields are returned (default).
`copy_history_depth`	Sets the number of parent elements to include in the array copy_history that is returned if the post is a repost from another wall.
`fields`	List of comma-separated words
`v`	Version of API

Value

Returns a list of post objects. If extended is set to 1, returns the following:

- **wall** - Contains post objects.
- **profiles** - Contains user objects with additional fields sex, photo, photo_medium_rec, and online.
- **groups** - Contains community objects.

If the post is a copy of another post, returns an additional array copy_history with information about original posts.

`wallGetComments` *Returns a list of comments on a post on a user wall or community wall*

Description

Returns a list of comments on a post on a user wall or community wall

Usage

```
wallGetComments(
  owner_id = "",
  post_id = "",
  need_likes = "",
  start_comment_id = "",
  offset = "",
  count = "10",
  sort = "",
  preview_length = "0",
  extended = "",
  v = getAPIVersion()
)
```

Arguments

`owner_id`	User ID or community ID. Use a negative value to designate a community ID.
`post_id`	Post ID.
`need_likes`	1 - to return the likes field, 0 - not to return the likes field (default).
`start_comment_id`	Positive number.
`offset`	Offset needed to return a specific subset of comments.
`count`	Number of comments to return (maximum 100).
`sort`	Sort order: asc - chronological, desc - reverse chronological.
`preview_length`	Number of characters at which to truncate comments when previewed. By default, 90. Specify 0 if you do not want to truncate comments.
`extended`	Flag, either 1 or 0.
`v`	Version of API

wallGetCommentsList *Returns a list of comments on a user wall or community wall*

Description

Returns a list of comments on a user wall or community wall

Usage

```
wallGetCommentsList(posts, progress_bar = FALSE, v = getAPIVersion())
```

Arguments

posts	A list of posts or wall object (from getWallExecute())
progress_bar	Display progress bar
v	Version of API

wallGetReposts *Returns information about reposts of a post on user wall or community wall*

Description

Returns information about reposts of a post on user wall or community wall

Usage

```
wallGetReposts(
  owner_id = "",
  post_id = "",
  offset = "",
  count = "20",
  v = getAPIVersion()
)
```

Arguments

owner_id	User ID or community ID. By default, current user ID. Use a negative value to designate a community ID.
post_id	Post ID.
offset	Offset needed to return a specific subset of reposts.
count	Number of reposts to return.
v	Version of API

Value

Returns an object containing the following fields:

- **items** - An array of wall reposts.
- **profiles** - Information about users with additional fields sex, online, photo, photo_medium_rec, and screen_name.
- **groups** - Information about communities.

---

wallSearch *Allows to search posts on user or community walls*

Description

Allows to search posts on user or community walls

Usage

```
wallSearch(
  owner_id = "",
  domain = "",
  query = "",
  owners_only = "",
  count = "20",
  offset = "0",
  extended = "",
  fields = "",
  v = getAPIVersion()
)
```

Arguments

owner_id	User or community id. Remember that for a community owner_id must be negative.
domain	User or community screen name.
query	Search query string.
owners_only	1 - returns only page owner's posts.
count	Count of posts to return.
offset	Results offset.
extended	Show extended post info.
fields	List of comma-separated words
v	Version of API

Value

If executed successfully, returns a list of post objects.

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